



International Council of Chemical Associations (ICCA)

Genomics Workshop

March 7 & 8, 2001
Embassy Suites – Lake Buena Vista Resort
8100 Lake Avenue
Orlando, Florida, USA

Purpose. Our understanding of molecular biology is increasing at astonishing speed, due in part to the availability of DNA sequence information and the development of new techniques in genomics and related areas. The results of toxicology, ecotoxicology, and epidemiology studies employing new technologies in the field of genomics are expected to significantly increase our understanding of the potential effects of chemical exposure on human populations and the environment, elucidate mechanisms of chemical toxicity, and identify potentially susceptible populations by investigation of gene-environment interactions. While these studies are expected to make “step change” improvements in the risk assessment process, data generated is already outpacing the ability to standardize, process, and apply this information soundly. These studies also raise complex societal, legal, and ethical issues. The objective of this workshop is to review the state-of-the-science in the application of genomic technologies in toxicology, ecotoxicology, and molecular epidemiology and the importance of these new developments in understanding the potential effects of chemicals on humans and the environment. Social, legal, ethical issues and their influence on the direction and application of research will be highlighted. An anticipated outcome of the workshop will be the identification of options for the global chemical industry to consider as it develops a research strategy and other plans for incorporating these scientific advances into product stewardship.

Workshop Format. The workshop is open to the public, and observers are welcome to register and attend. A mix of experts in toxicology, epidemiology, risk assessment, and social issues from industry, government, and academia have been invited as the core participants. The workshop will consist of speaker presentations and breakout group discussions among the core participants. Observers will be able to contribute, as well. An overview of the workshop program is presented below.

Registration. Observer seating is limited, and spaces will be granted on a first-come first-serve basis. The fee to attend the workshop as an observer is \$130, which covers the cost of lunches, a cocktail reception, a dinner, and refreshments during breaks. ***The registration deadline is February 21, 2001.*** To register, please use the form attached. Once your registration and payment has been received and processed, you will be sent the workshop materials, a receipt, and confirmation number via email. For additional information, contact Kathleen Campbell at KathleenCampbell@icfconsulting.com. A full workshop program, including a draft agenda and breakout group questions, is available on the American Chemistry Council’s web page at www.americanchemistry.com.

Travel/Accommodations. Attendees should make their own travel arrangements to Orlando, Florida. For planning purposes, the workshop will begin at 8:00 a.m. on Wednesday, March 7, and conclude on Thursday, March 8, at 3:30 p.m. Attendees should make hotel reservations directly with the Embassy Suites Hotel – Orlando, Florida – Lake Buena Vista Resort (1-407-239-1144 or 1-800-362-2779). To obtain the preferred rate of \$165 per night for single or double occupancy, please make reservations by February 14 and ask for the “ACC/ICCA” block. From baggage claim area, shuttle or taxi service to the hotel is available.

Condensed ICCA Genomics Workshop Program:

7 March, 2001	<p>Introduction, Welcome, Workshop Objectives</p> <p>Session I: Application of “Omics” Technology to Toxicology</p> <ul style="list-style-type: none"> ▪ Overview of Genomics, Expression Profiling Techniques, Metabonomics, and Bioinformatics ▪ Application of “Omics” for Gaining Mechanistic Understanding/Mode of Action for Reduction of Uncertainty in Risk Assessments ▪ Application of “Omics” for Understanding Individual Susceptibility ▪ Application of “Omics” to Predictive Toxicology ▪ Ecotoxicology Considerations <p>Panel Discussion: Potential Implications of “Omics” on Toxicology and Risk Assessment Approaches</p> <p>Lunch</p> <p>Session II: Molecular Genetics in Epidemiology</p> <ul style="list-style-type: none"> ▪ Evolution of Epidemiologic Research for Assessment of Gene-Environment Interactions <ul style="list-style-type: none"> ➢ Integration and Iteration of Data from Laboratory and Human Populations Studies ➢ Challenges to Interpretation ▪ Existing and Potential Sources/Uses of Human Genetic Biomarker Data <p>Panel Discussion regarding Epidemiology Issues and Risk Assessment</p> <p>Dinner Presentation: Interdisciplinary Collaboration/Cooperation</p>
8 March, 2001	<p>Session III: Ethical, Legal, Social Issues (ELSI) and Their Role/Impact on the Direction and Application of Research</p> <ul style="list-style-type: none"> ▪ Toxicogenomic Efforts & ELSI Impacts from an Environmental Protection/Regulatory Perspective ▪ Human Health/Epidemiology/Occupational Health Perspective ▪ ELSI from a Public Perspective <p>Panel Discussion regarding ELSI and Risk Assessment</p> <p>Breakout Group Discussions</p> <ul style="list-style-type: none"> ▪ Group 1: Toxicology (Mammalian & Environmental) ▪ Group 2: Epidemiology ▪ Group 3: Ethical, Legal, Social Issues <p>Lunch</p> <p>Breakout Group Reports and Q & A</p> <p>Wrap-up and Next Steps</p>

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Observer Registration Form

Attendees: To clearly identify your attendance and badge information, please print legibly.

Attendee's Name: _____

Organization: _____

Address: _____

City: _____ **State:** _____ **Zip:** _____

Name on Badge (if different than above): _____

Phone: _____ **Fax:** _____

E-mail: _____

Please duplicate this form for additional observers!

Registration Fees. The registration fee for observers is \$130, which covers the cost of lunches, the cocktail reception, the dinner, and refreshments during breaks.

Payment Method: Checks, money orders, or credit cards are accepted.

To register, please make checks payable to American Chemistry Council and send payment along with this registration form to: **Kathleen Campbell, ICF Consulting, 955 L'Enfant Plaza, SW, North Building, Suite 1201, Washington, DC 20024.**

If paying by credit card, please fill out the information below:

AmEx **Visa** **MC** **Number** _____ **Exp. Date** ____/____

Name that appears on credit card: _____

Signature: _____

For planning purposes, please specify your first two choices of breakout groups:

Breakout Group 1: Toxicology (Mammalian and Environmental) _____

Breakout Group 2: Epidemiology _____

Breakout Group 3: Ethical, Legal, and Social Issues _____

Refunds will be made if cancellations are received in writing to the address below on or before February 15. A service fee of \$25 will be charged. Cancellations received after February 15 are subject to the entire conference fee. Please note that if you do not cancel and do not attend, you are still responsible for the entire conference fee. Substitution of observers may be made.

Send Registrations to: Kathleen Campbell, ICF Consulting
955 L'Enfant Plaza, SW • North Building, Suite 1201
Washington, DC 20024
Phone: (202) 863-7028 • Fax: (202) 863-7036